

UTSA 2014-2015 UNDERGRADUATE CATALOG
BIOMEDICAL ENGINEERING
RECOMMENDED PROGRAM OF STUDY

Revised 02/11/2014

SEMESTER I (Fall)				SEMESTER II (Spring)				SEMESTER III (Summer)						
MAT	1214	Calculus I	4	MAT	1224	Calculus II	4							
BIO	1404	Biosciences I	4	CHE	1113	General Chemistry II	3							
CHE	1103	General Chemistry I	3	PHY	1943	Physics for Scientists I	3							
WRC	1013	Freshman Composition I	3	PHY	1951	Physics for Scientists I Lab	1							
 AIS	1203	Academic Inquiry and Scholarship	3	WRC	1023	Freshman Composition II	3							
				BME	1002	Introduction to Biomedical Eng	2							
Semester Total				17	Semester Total				16	Semester Total				0
SEMESTER IV (Fall)				SEMESTER V (Spring)				SEMESTER VI (Summer)						
BME	2103	Physiology for BME	3	EGR	2323	Applied Engineering Analysis I	3	BME	3013	Clinical Internship in BME	3			
STA	1403	Probability and Stats for the Biosci	3	BME	2114	Cell Biology for BME	4							
PHY	1963	Physics for Scientists II	3	BME	2403	Biomaterials I	3							
PHY	1971	Physics for Scientists II Lab	1	BME	2203	Biomechanics I	3							
Tech Elec		Calculus III (MAT 2214)	4	BME	2211	Biomedical Engineering Lab I	1							
Tech Elec		Statics (EGR 2103)	3											
Semester Total				17	Semester Total				14	Semester Total				3
SEMESTER VII (Fall)				SEMESTER VII (Spring)				SEMESTER IX (Summer)						
BME Elec		Approved Upper Div BME Elective	3	BME	3022	BME Tech and Product Develo	2	BME Elec	3033	Industrial Internship	3			
BME	3311	Biomedical Engineering Lab II	1	BME	3703	Biotransport Phenomena	3							
Tech Elec		Approved Science/Eng Elective	3	BME	3711	Biomedical Engineering Lab III	1							
BME	3303	Bioinstrumentation	3	BME Elec		Approved Upper Div BME Elect	3							
CORE*		Political Science	3	CORE*		Intro to Am Politics (POL 1013)	3							
Semester Total				13	Semester Total				12	Semester Total				3
SEMESTER X (Fall)				SEMESTER XI (Spring)										
CORE*		Visual & Performing Arts	3	BME	4913	Senior BME Design II	3							
CORE*		U.S. History & Diversity	3	CORE*		U.S. History & Diversity	3							
BME	4903	Senior BME Design I	3	CORE*		World Society And Issues	3							
BME Elec		Approved Upper Div BME Elective	3	CORE*		Economics (2003, 2013, or 2023)	3							
BME Elec		Approved Upper Div BME Elective	3	CORE*		Literature	3							
Semester Total				15	Semester Total				15	Semester Total				0
Total Required Degree Hours								125						

ALL UNDERGRADUATE BME ENGINEERING STUDENTS MUST SEE AN ENGINEERING ADVISOR EVERY FALL/SPRING PRIOR TO REGISTRATION

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